

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	1
ILLINOIS		CONTRACT NO. 72420		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

**F.A.P. ROUTE 662 (IL 4)
SECTION (F,DX)Q
PROJECT NHPP-FADQ(921)
CAPE SEAL, FOG SEAL
MACOUPIN COUNTY
C-96-068-25**

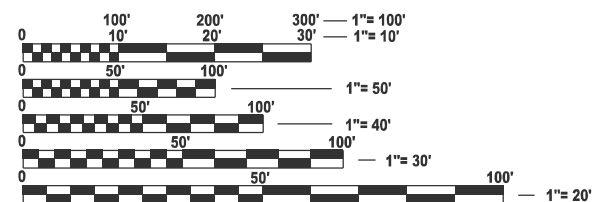
HIGHWAY CLASSIFICATION

F.A.P. Route 662 (IL 4)

fr. N OF CAMBRIDGE RD S OF GIRARD
TO 0.1 MI W OF DONALDSON RD

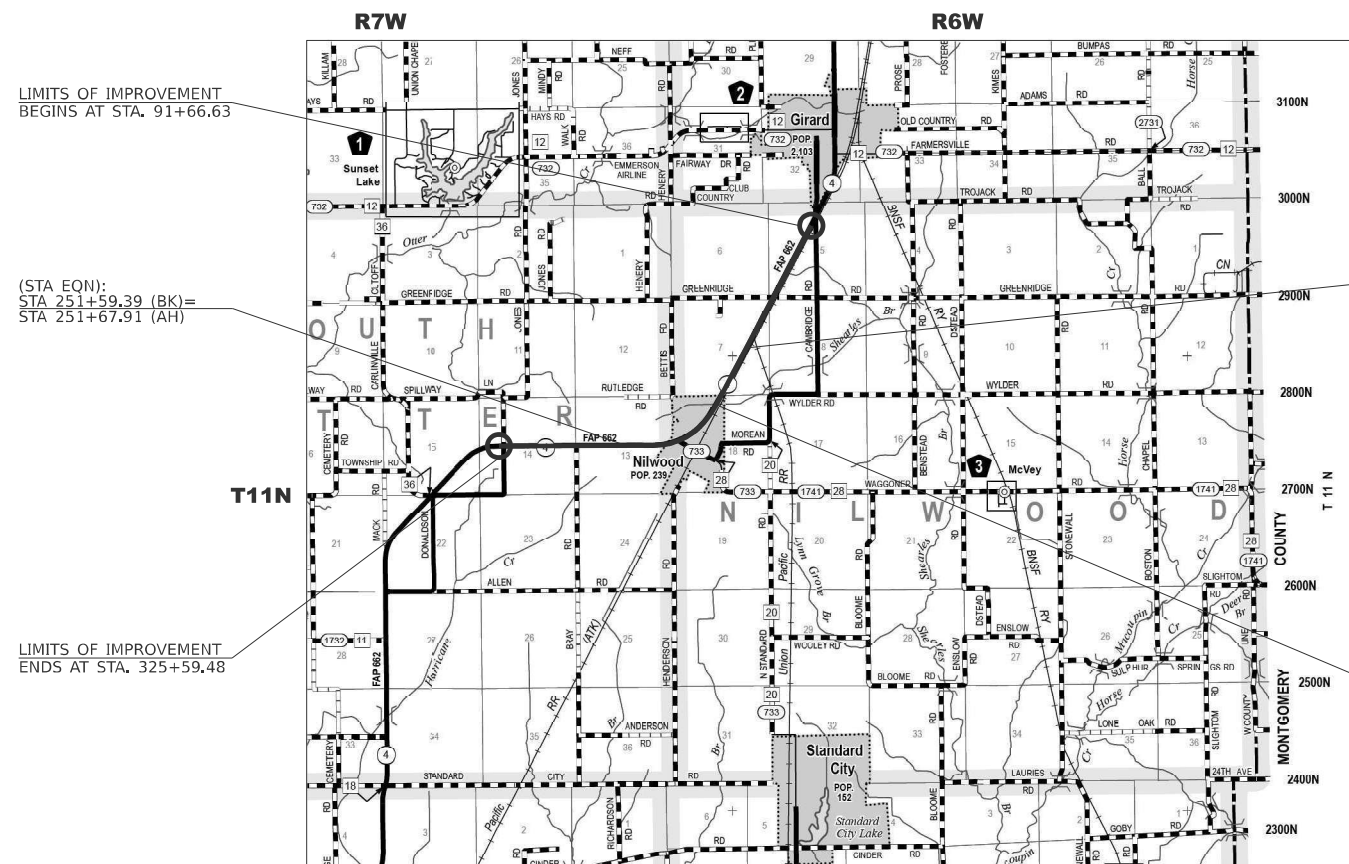
ADT: 3,200 (2023)	PV = 90.63%
DESIGN SPEED: 60 MPH	SU = 4.06%
POSTED SPEED: 55 MPH	MU = 5.31%

CLASSIFICATION: OTHER PRINCIPLE ARTERIAL



**FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.**

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



SN 059-7009
EX. BOX CULV 9'x6'
STA 159+95.80

SN 059-7010
EX. BOX CULV 9'x5'
STA 197+32.90

PROJECT ENGINEER: BRIAN LANINGHAM (217) 782-6990
PROJECT MANAGER: RENE CABRERA (217) 557-9062
ENGINEERING TECHNICIAN: JACOB DRAINER (217) 524-8915

CONTRACT NO. 72420

GROSS LENGTH = 23,384.33 FT. = 4.43 MILE
NET LENGTH = 23,384.33 FT. = 4.43 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 15 20 25
Teresa C. Price
REGIONAL ENGINEER

October 3 20 25
See Ed Etk
ENGINEER OF DESIGN AND ENVIRONMENT

October 3 20 25
Quincy 5
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

MODEL: General Notes [Sheet]
FILE NAME: c:\pw_workspace\id\jacob.drainier@illinois.gov\id1072176\ID672420 - Index Sheet.dgn

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULES
5-6	TYPICAL SECTIONS
7-8	HORIZONTAL ALIGNMENT SCHEDULE
9-16	PLAN SHEETS

GENERAL NOTES

1. THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL. PHONE (217) 785-5306.
2. NO PASSING ZONES TO BE FIELD VERIFIED BY THE RESIDENT ENGINEER, WHO SHALL NOTIFY THE BUREAU OF OPERATIONS WITH ANY CONCERNS, ALONG WITH NOTIFICATION 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKING. PHONE (217) 785-5306
3. AGGREGATE FOR THE A-1 BITUMINOUS SURFACE TREATMENT MAY BE CA-15, CA-16, OR CA-20

COMMITMENTS

(NONE)

HIGHWAY STANDARDS

NUMBER	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATION DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701901-11	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFELCTIVE PAVEMENT MARKINGS

APPLICATION RATES

THE FOLLOWING RATES OF APPLICATION WERE UTILIZED TO CALCULATE QUANTITIES

BITUMINOUS MATERIALS (FOG SEAL): 0.08 LBS/SQ FT (SHLDRS)

BITUMINOUS MATERIALS (FOG SEAL): 0.05 LBS/SQ FT (MAINLINE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6

EXAMINED August 8, 2025
Leon C. Price
ENGINEER OF OPERATIONS

EXAMINED August 8, 2025
Leon C. Price
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED August 8, 2025
MS
ENGINEER OF PROGRAM DEVELOPMENT

REV - MS

	USER NAME = Jacob.Drainier	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & GENERAL NOTES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					662	(F,DX)Q	MACOUPIN	16	2
		CHECKED -	REVISED -									
	PLOT DATE = 8/5/2025	DATE -	REVISED -							ILLINOIS	FED. AID PROJECT	
						SCALE: NTS	SHEET 1 OF 1 SHEETS	STA.	TO STA.			

MODEL: General Notes-1 [Sheet]
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				6-01482-0000
				NHPP FUNDING 80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005
				RURAL
40500061	CAPE SEAL	SQ YD	57162	57162
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	73	73
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	15	15
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2338	2338
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	779	779
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	53465	53465
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	294	294
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	294	294
X4060107	BITUMINOUS MATERIALS (FOG SEAL)	POUND	40689	40689

* SPECIALTY ITEM

REV - MS

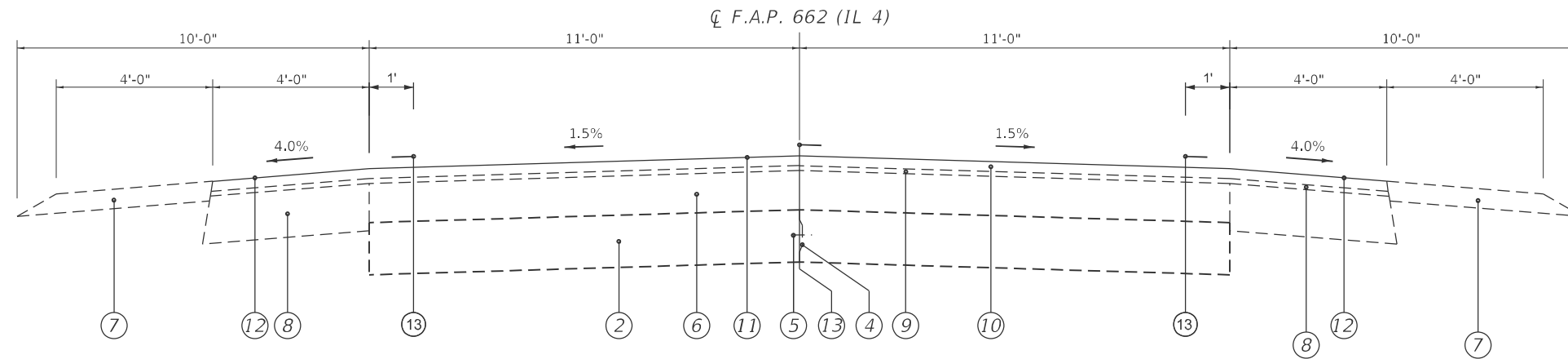
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		DRAWN -	REVISED -					662	(F,DX)Q	MACOUPIN	16	3
		CHECKED -	REVISED -					CONTRACT NO. 72420				
	PLOT DATE = 8/11/2025	DATE -	REVISED -		SCALE: NTS	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

PAVEMENT MARKING SCHEDULE

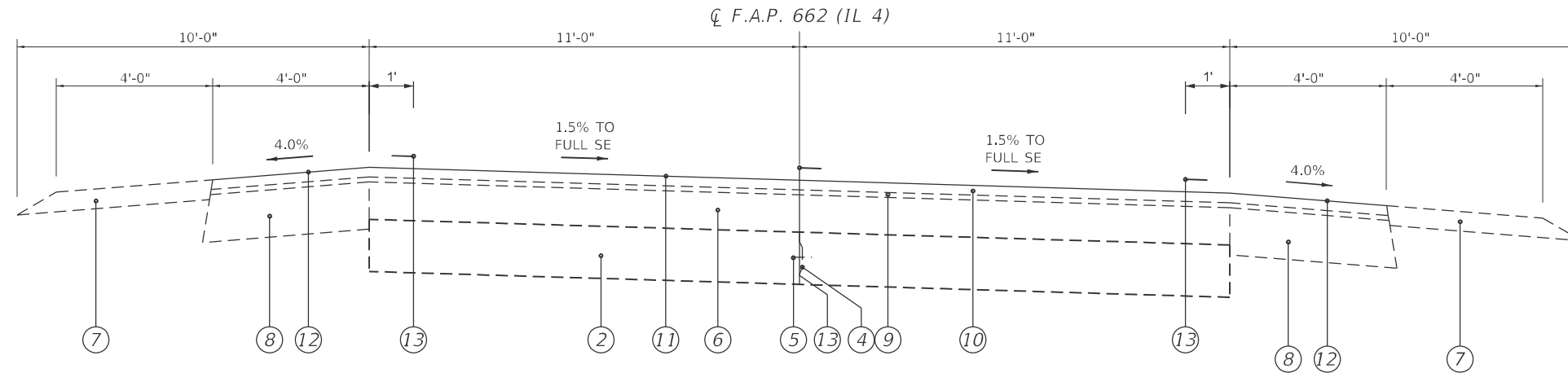
TYP. SEC. #	LOCATION (STA TO STA)	LENGTH	(78009005)			(78100100)	(78300200)	(70300100)	(70300150)
			MODIFIED URETHANE PVT MK - LINE 5"			RAISED REFL PAVT MRK	RAISED REFL PVT MK REM	SHORT-TERM PAVT MKING	SHRT-TRM PAVT MK REM
			YELLOW		WHITE				
			SOLID	SKIP-DASH	SOLID				
		(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(SQ FT)
	<i>[F.A.P. 662 (IL 4)]</i>								
(1-3)	91+66.63 TO 251+59.39	15,992.76		3,998.19	31,985.52	200.91	200.91	1,599.28	533.09
(1)	181+05.27 TO 189+55.27	850.00	850.0						
	(STA EQN) 251+59.39 (BK) = 251+67.91 (AH)								
(4-5)	251+67.91 TO 325+59.48	7,391.57		1,847.89	14,783.14	93.39	93.39	739.16	246.39
SUBTOTALS			850.00	5,846.08	46,768.66	294.30	294.30	2,338.43	779.48
(6-01482-0000) PROJECT TOTAL			53,465			294	294	2,338	779

ROADWAY SCHEDULE

TYP. SEC. #	LOCATION (STA TO STA)	LENGTH	WIDTH	(40500061)	(40600982)	(X4060107)	
				CAPE SEAL	HMA SURF REM BUTT JT	BIT MATLS FS	
						(ML PAVT)	(SHLDRS)
		(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(POUND)	(POUND)
	<u>[F.A.P. 662 (IL 4)]</u>						
(1)	91+66.63 TO 91+81.63	15.0	22		36.67		
(1-3)	91+66.63 TO 251+59.39	15,992.76	22	39,093.41		17,592.04	10,235.37
	(STA EQN) 251+59.39 (BK) = 251+67.91 (AH)						
(4-5)	251+67.91 TO 325+59.48	7,391.6	22	18,068.28		8,130.73	4,730.60
(5)	325+45.48 TO 325+60.48	15.0	22		36.67		
(SUBTOTAL)				57,161.70	73.33	25,722.76	14,965.97
(6-01482-000) PROJECT TOTAL				57,162	73	40,689	



(1) STA 91+66.63 TO STA 201+05.33 [10,938.70']



(2) STA 201+05.33 TO STA 241+56.73 [4,051.40']

LEGEND

- | | |
|---|-------------------------------------|
| ① EXIST. SUB-BASE GRANULAR MATERIAL, TYPE A | ⑦ EXIST. AGGREGATE SHOULDER |
| ② EXIST. P.C.C. PAVEMENT, 8" | ⑧ EXIST. HMA SHOULDER, 7 1/4" |
| ③ EXIST. P.C.C. BASE COURSE WIDENING, 8" | ⑨ EXIST. HMA LEVELING BINDER, 3/4" |
| ④ EXIST. LONGITUDINAL METAL JOINT | ⑩ EXIST. HMA SURFACE COURSE, 1 1/2" |
| ⑤ EXIST. STEEL TIE BAR | ⑪ PROP. CAPE SEAL |
| ⑥ EXIST. BITUMINOUS OVERLAY, 4 1/4" TO 6 1/4" | ⑫ PROP. FOG SEAL |
| | ⑬ PROP. PAVMENT MARKING |

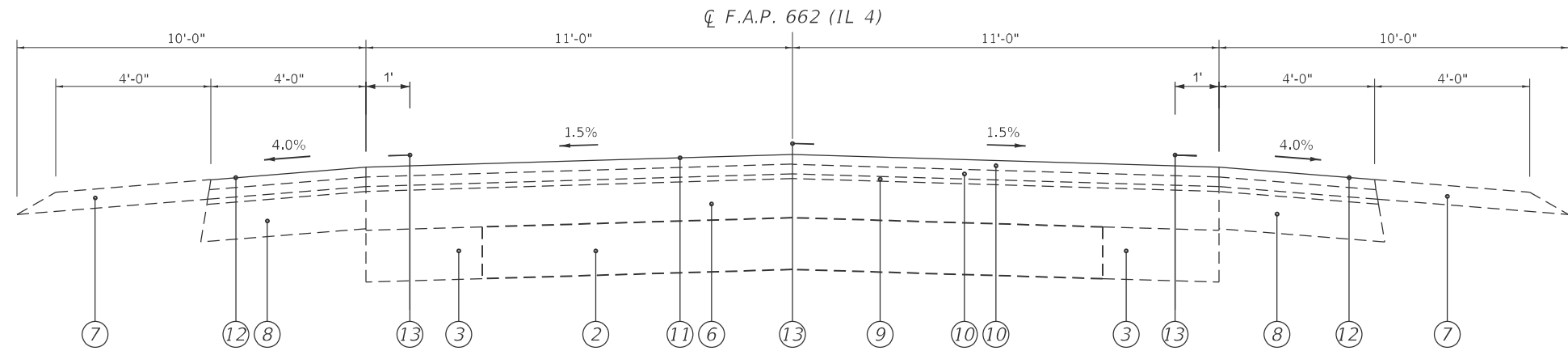
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL
SECTIONS

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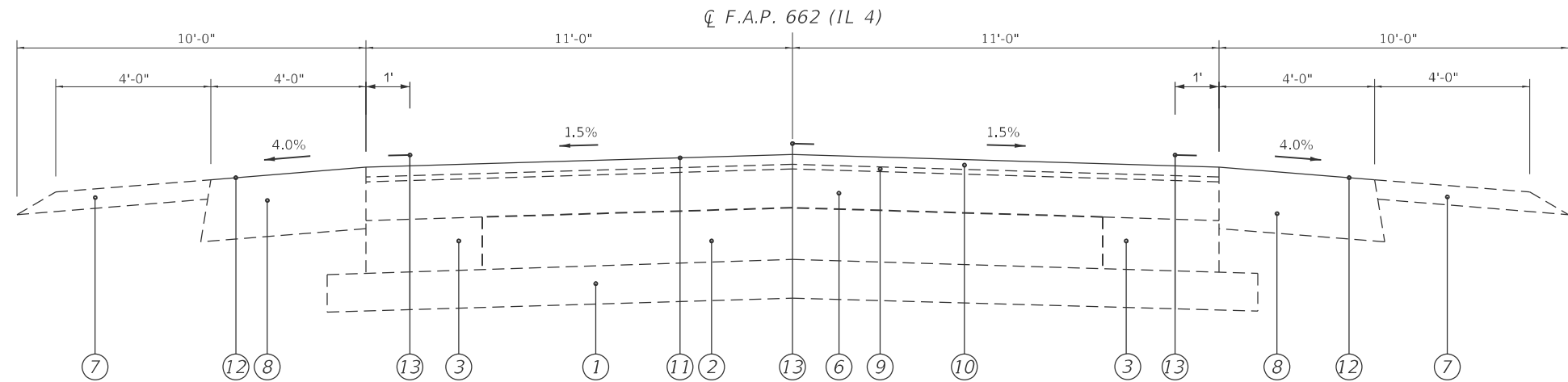
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	5
CONTRACT NO. 72420				
ILLINOIS FED. AID PROJECT				

USER NAME = jacob.drainier	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/1/2025	DATE -	REVISED -



(3) STA 241+56.73 TO STA 251+59.39 (BK) [1,002.66']
(4) STA 251+67.91 (AH) TO STA 320+00.00 [6,832.09']

(STA EQN):
STA 251+59.39 (BK) =
STA 251+67.91 (AH)



(5) STA 320+00.00 TO STA 325+59.48 [559.48']

LEGEND

- | | |
|---|----------------------------------|
| ① EXIST. SUB-BASE GRANULAR MATERIAL, TYPE A | ⑦ EXIST. AGGREGATE SHOULDER |
| ② EXIST. P.C.C. PAVEMENT, 8" | ⑧ EXIST. HMA SHOULDER, 7¼" |
| ③ EXIST. P.C.C. BASE COURSE WIDENING, 8" | ⑨ EXIST. HMA LEVELING BINDER, ¾" |
| ④ EXIST. LONGITUDINAL METAL JOINT | ⑩ EXIST. HMA SURFACE COURSE, 1½" |
| ⑤ EXIST. STEEL TIE BAR | ⑪ PROP. CAPE SEAL |
| ⑥ EXIST. BITUMINOUS OVERLAY, 4¼" TO 6¼" | ⑫ PROP. FOG SEAL |
| | ⑬ PROP. PAVMENT MARKING |

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	DRAWN - JRD	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

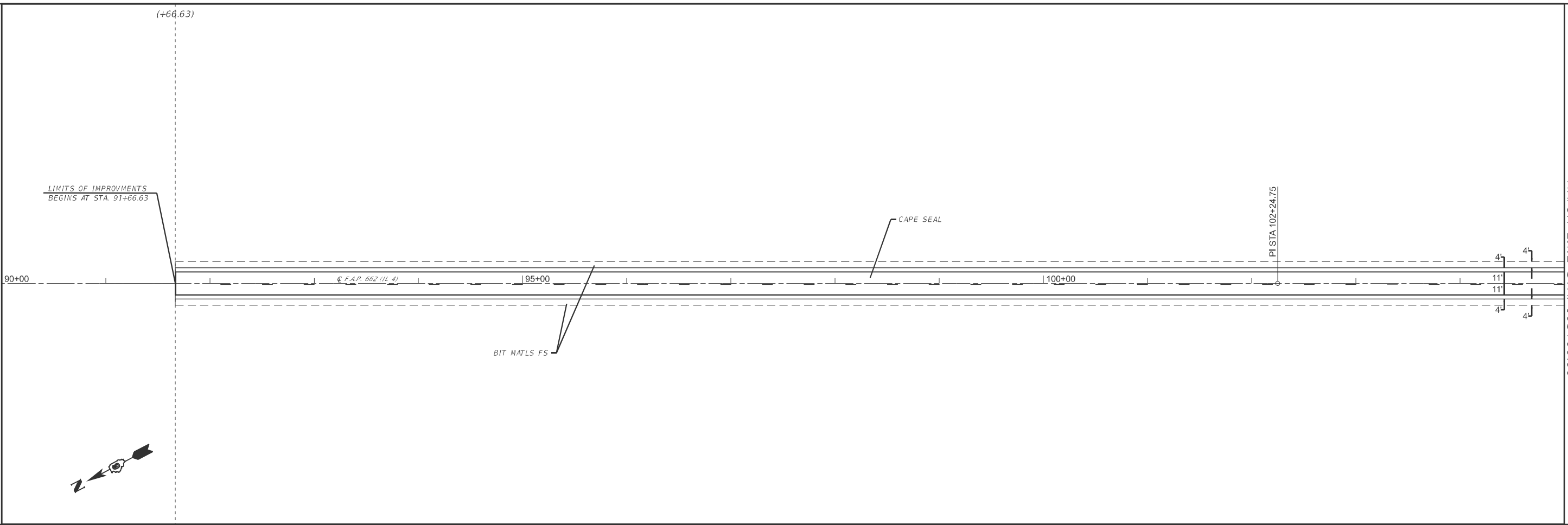
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F.DX)Q	MACOUPIN	16	6
CONTRACT NO. 72420				
ILLINOIS FED. AID PROJECT				

HORIZONTAL ALIGNMENT CONTROL								
NAD83/1997 ADJ - STATE PLANE WEST ZONE								
ALIGNMENT NAME:		HICKOX W						
DESCRIPTION:		SIDE ROAD						
POT	8+80.26	995854.064	2397701.249					
PI	9+60.80	995813.582	2397770.880					
POT	10+00.00	995793.879	2397804.769					
ALIGNMENT NAME:		MAYO ST						
DESCRIPTION:		SIDE ROAD						
POT	10+00.00	995555.731	2397432.172					
PI	10+53.48	995529.910	2397479.007					
POT	11+14.83	995500.289	2397532.736					
ALIGNMENT NAME:		RYDER ST						
DESCRIPTION:		SIDE ROAD						
POT	8+75.79	995544.038	2397249.314					
PI	10+00.00	995433.382	2397192.892					
POT	11+08.43	995336.788	2397143.640					
ALIGNMENT NAME:		MOREAN ST						
DESCRIPTION:		SIDE ROAD						
POT	10+00.00	995374.981	2397061.015					LEFT
PC	10+67.30	995314.150	2397089.805					
PI	11+46.55	995242.518	2397123.706	236.59	152.94	79.25	37°02'16"	
PT	12+20.24	995205.759	2397193.915					
POT	14+41.00	995103.364	2397389.485					
ALIGNMENT NAME:		BETTIS RD						
DESCRIPTION:		SIDE ROAD						
POT	8+85.22	995365.814	2396720.765					
PI	9+55.54	995295.498	2396720.124					
POT	10+00.00	995251.036	2396719.719					
ALIGNMENT NAME:		CHESTNUT						
DESCRIPTION:		SIDE ROAD						
POT	10+00.00	995174.946	2396432.754					
PI	10+58.69	995131.940	2396472.697					
POT	11+01.93	995100.257	2396502.124					
ALIGNMENT NAME:		BRAY RD						
DESCRIPTION:		SIDE ROAD						
POT	8+50.00	994919.171	2391411.524					
PI	8+79.96	994949.130	2391411.316					
PI	9+60.14	995029.304	2391410.759					
POT	10+00.00	995069.167	2391410.482					
ALIGNMENT NAME:		DONALDSON RD						
DESCRIPTION:		SIDE ROAD						
POT	8+50.00	994884.282	2387411.741					
PI	8+80.01	994914.294	2387411.484					
PI	10+00.00	995034.276	2387410.455					
PI	11+19.49	995153.763	2387409.431					
POT	11+50.00	995184.271	2387409.169					

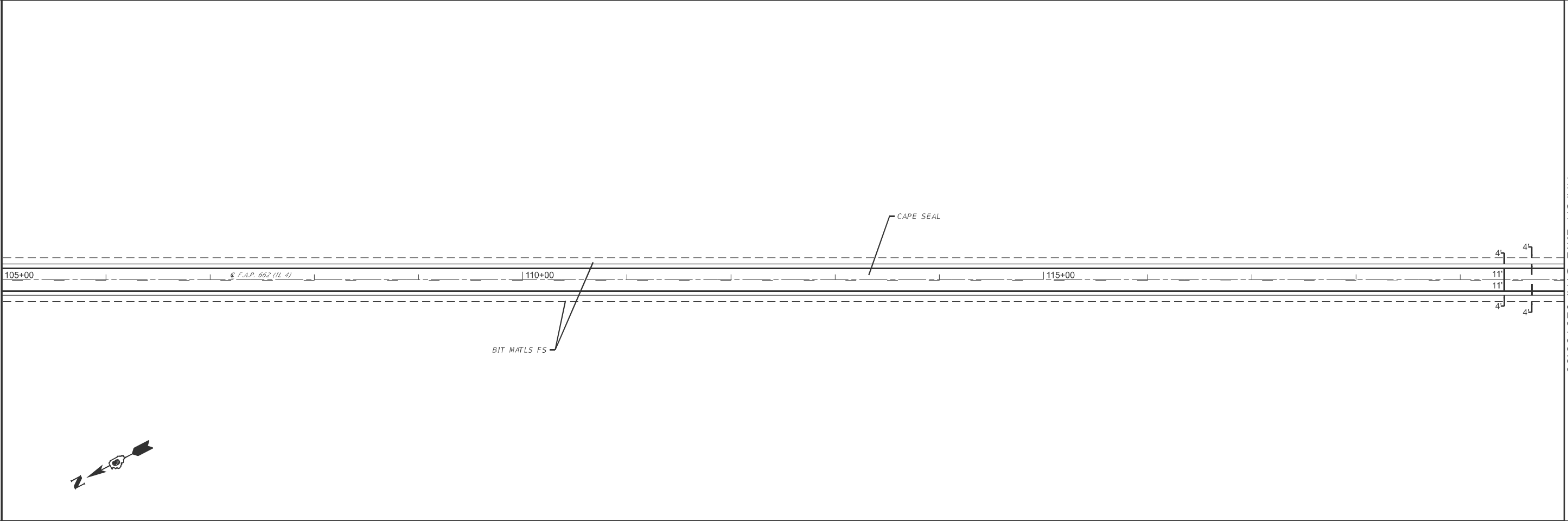
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		DRAWN -	REVISED -							862	(F.DX)Q	MACOUPIN	16	8
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	PLOT DATE = 8/11/2025	DATE -	REVISED -		SCALE:	SHEET 2 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					

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MATCH LINE STA. 105+00.00



MATCH LINE STA. 105+00.00



MATCH LINE STA. 120+00.00

USER NAME	= Jacob.Drainr	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: NTS SHEET 1 OF 8 SHEETS STA. 90+00.00 TO STA. 120+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	9
CONTRACT NO. 72420				
		ILLINOIS	FED. AID PROJECT	

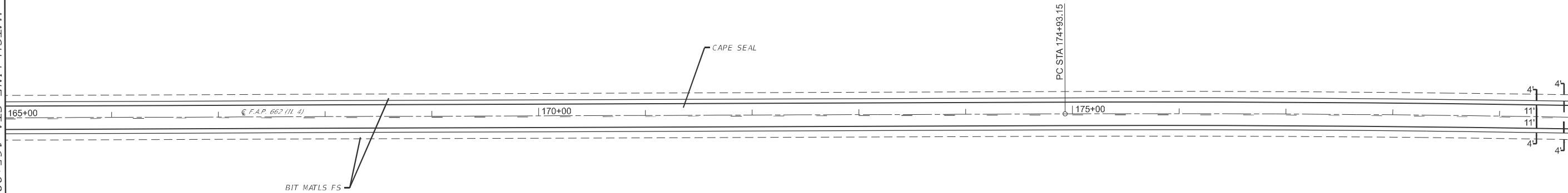
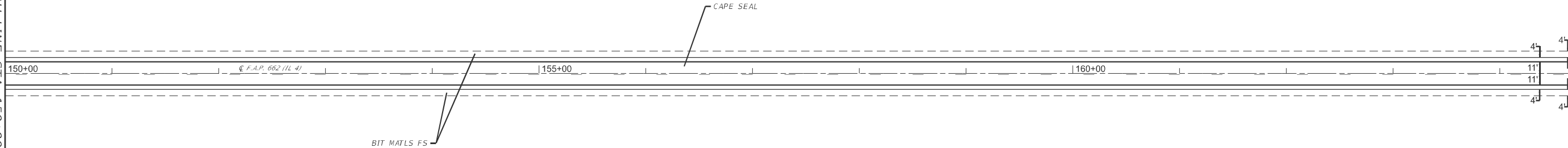
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MATCH LINE STA. 150+00.00

MATCH LINE STA. 165+00.00

MATCH LINE STA. 165+00.00

MATCH LINE STA. 180+00.00
88+66+69.17 STA ID



USER NAME = Jacob.Drainer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

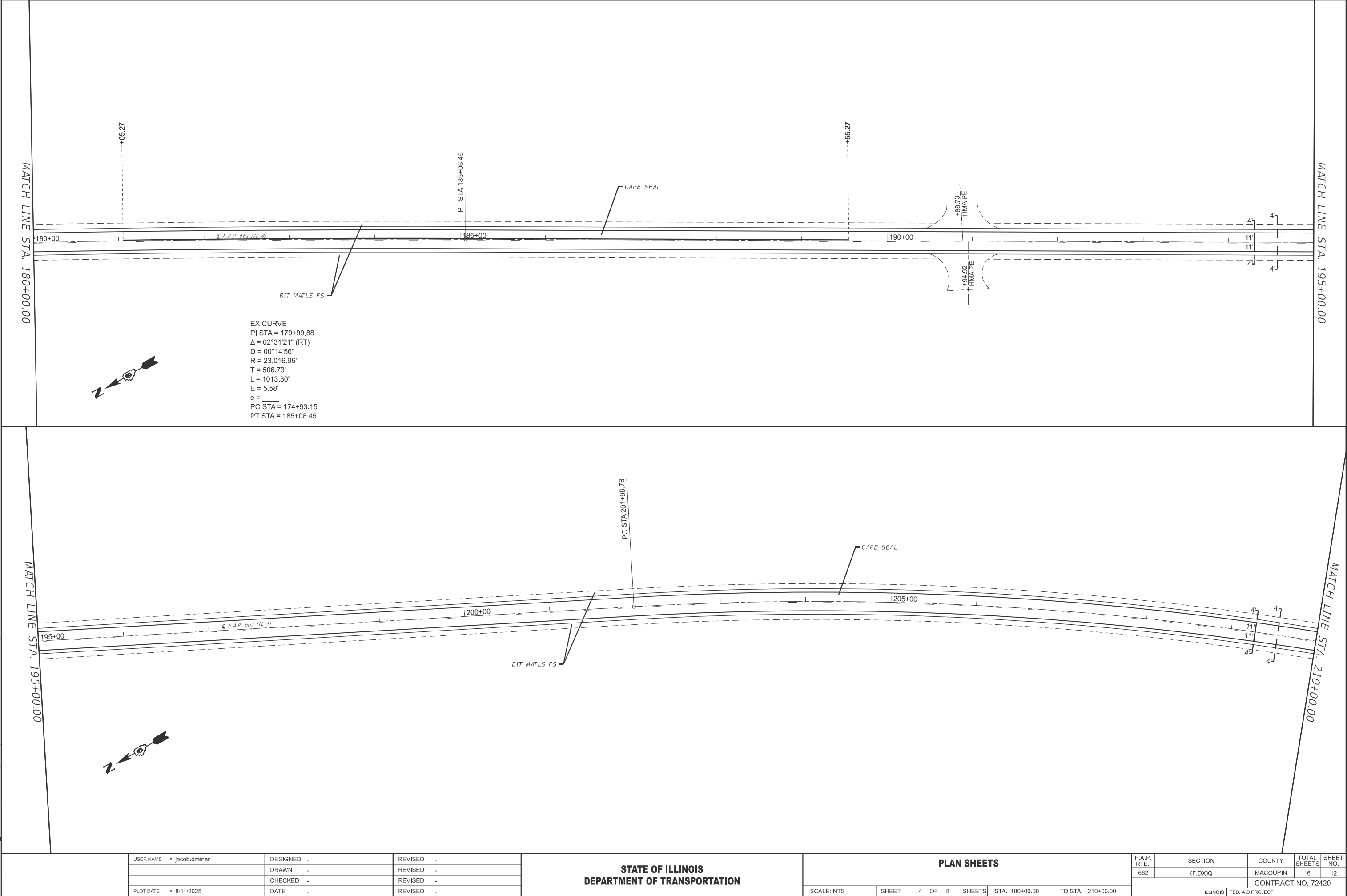
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: NTS SHEET 3 OF 8 SHEETS STA. 150+00.00 TO STA. 180+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	11
CONTRACT NO. 72420				
ILLINOIS FED. AID PROJECT				

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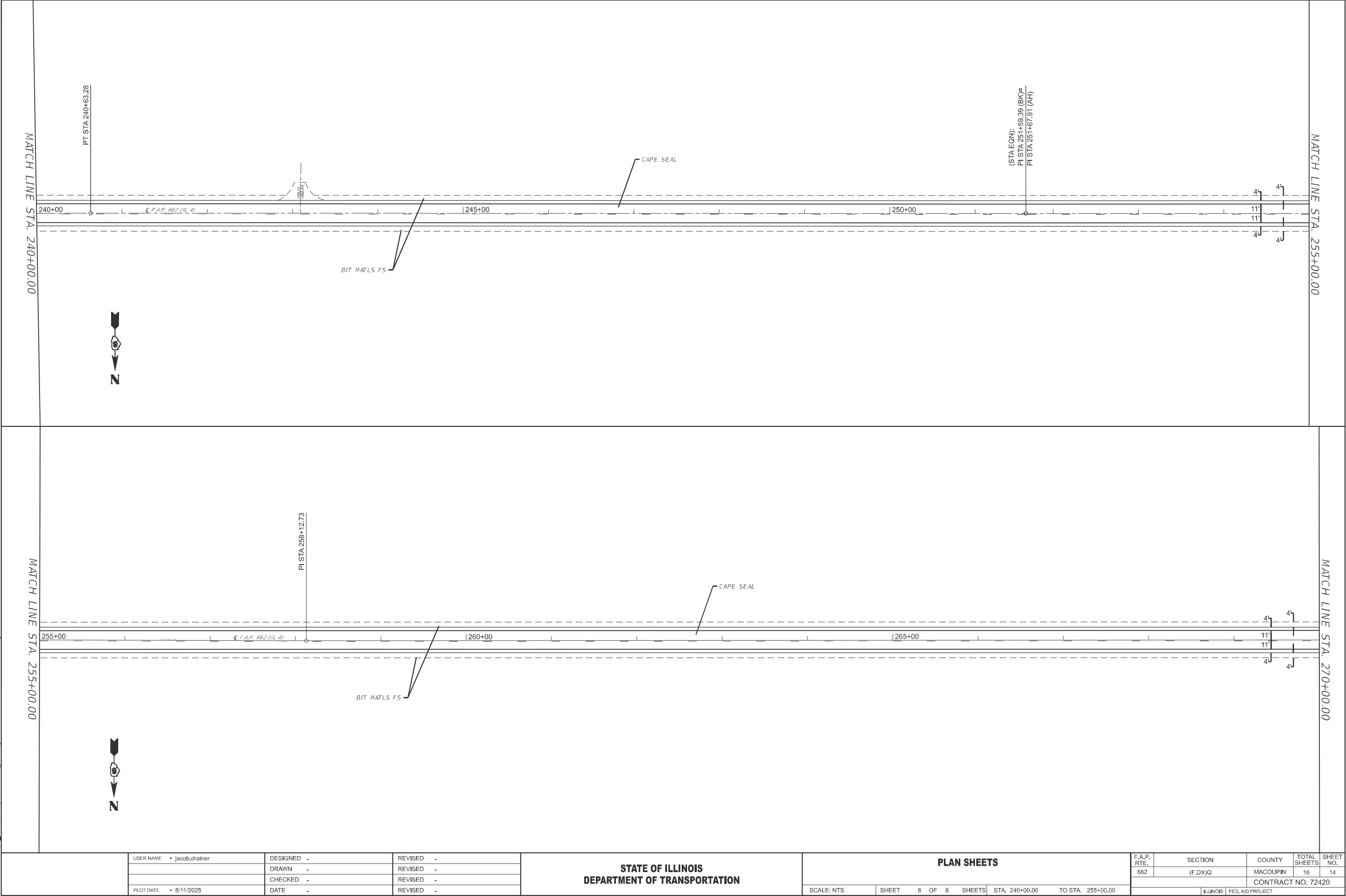
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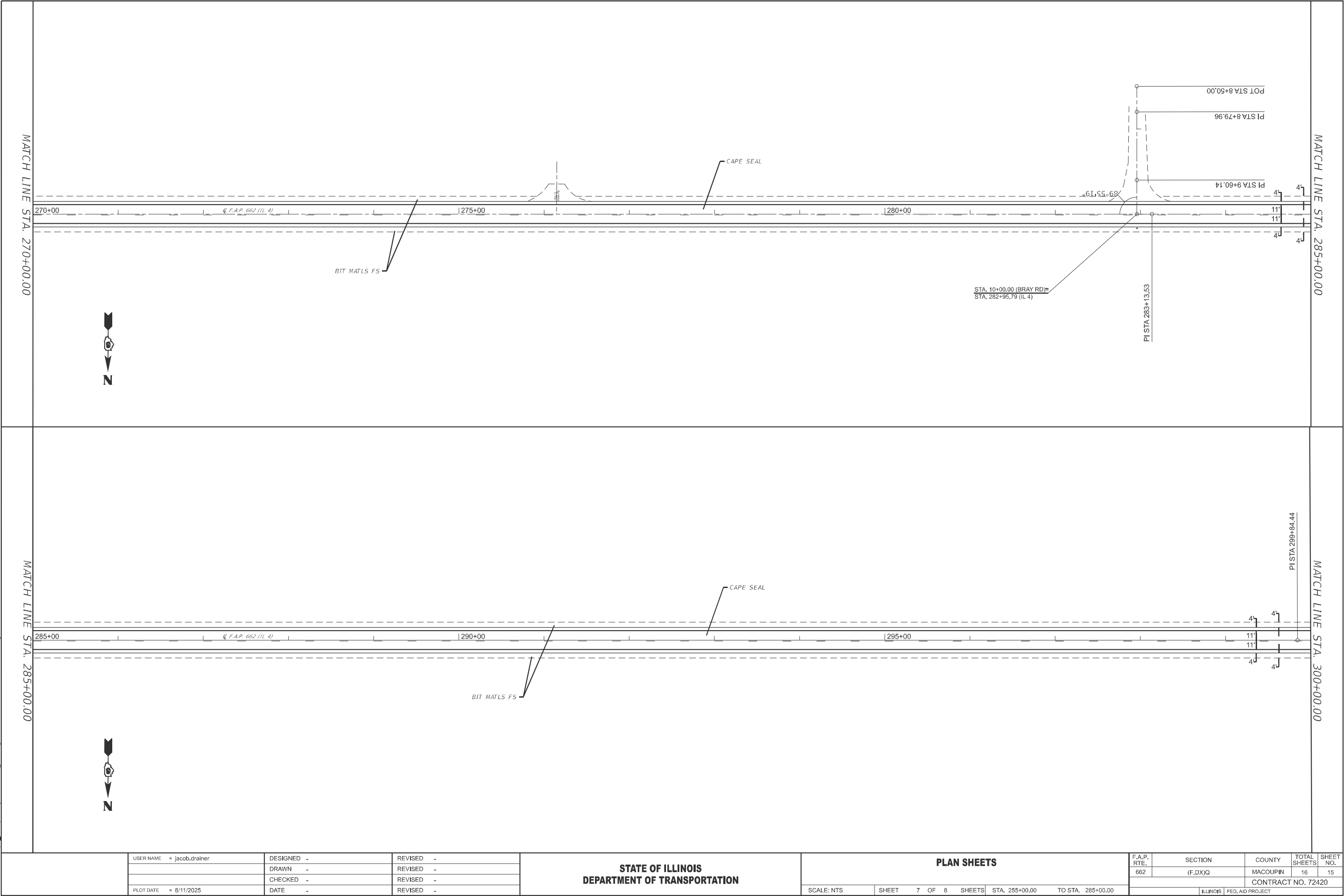
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: NTS SHEET 4 OF 8 SHEETS STA. 180+00.00 TO STA. 210+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	12
CONTRACT NO. 72420				
ILLINOIS FED. AID PROJECT				





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MATCH LINE STA. 165+00.00



MATCH LINE STA. 315+00.00



MATCH LINE STA. 315+00.00

CAPE SEAL

BIT MATLS FS

STA. 10+00.00 (DONALDSON RD)
STA. 322+95.98 (IL 4)

POT STA 8+50.00

PI STA 8+80.01

+60.25+68

LIMITS OF IMPROVMENTS
ENDS AT STA. 325+59.48

PC STA 327+21.20

PI STA 11+19.49

POT STA 11+50.00

USER NAME = jacob.dra\ner

DESIGNED -

REVISED -

DRAWN -

REVISED -

CHECKED -

REVISED -

PLOT DATE = 8/11/2025

DATE -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: NTS

SHEET 8 OF 8 SHEETS

STA. 285+00.00 TO STA. 315+00.00

F.A.P.
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

662

(F,DX)Q

MACOUPIN

16

16

CONTRACT NO. 72420

ILLINOIS FED. AID PROJECT